

NETHERLANDS JOURNAL OF ZOOLOGY

(ARCHIVES NÉERLANDAISES DE ZOOLOGIE)

edited by

rv

Dr. K. Bakker,
Dr. H. H. Boer, Dr. W. de Priester,
Dr. L. M. Schoonhoven & Dr. Th. E. Sprey
(Netherlands Zoological Society)

Dr. Chr. P. Raven
(Holland Society of Sciences)

published by

The Netherlands Zoological Society
(Nederlandse Dierkundige Vereniging)

and

The Holland Society of Sciences
Hollandse Maatschappij der Wetenschappen

Periodical of the Netherlands Zoological Society

Volume 27
1977



LEIDEN
E. J. BRILL
1977

THE NETHERLANDS JOURNAL OF ZOOLOGY (ARCHIVES NÉERLANDAISES DE ZOOLOGY) forms series IV B of the ARCHIVES NÉERLANDAISES DES SCIENCES EXACTES ET NATURELLES (published by the Holland Society of Sciences) and is the continuation of TIJDSCHRIFT DER NEDERLANDSCHE DIERKUNDIGE VEREENIGING.

CONTENTS

Number 1

- L. M. OOSTERHOFF, Variation in growth rate as an ecological factor in the landsnail *Cepaea nemoralis* (L.) 1-132

Number 2

- G. J. MOLENAAR, The rhombencephalon of *Python reticulatus*, a snake possessing infrared receptors 133-180
- S. S. DE SILVA & K. KORTMULDER. Some aspects of the biology of three species of *Puntius* (= *Barbus*) (Pisces, Cyprinidae), endemic to Sri Lanka 182-194
- T. SMINIA, N. D. DE WITH, J. L. BOS, M. E. VAN NIEUWMEGEN, M. P. WITTER & J. WONDERGEM. Structure and function of the calcium cells of the freshwater pulmonate snail *Lymnaea stagnalis* 195-208
- J. T. WIEBES. Agaonid fig wasp from *Ficus salicifolia* Vahl and some related species of the genus *Platyscapa* mot-schoulsky (Hym., Chalc.) 209-223

Short Notes and Communications

- E. NIEBOER & M. VAN DER PAARDT. Hearing of the african woodowl, *Strix woodfordii* 227-229
- J. VAN DEN ASSEM. A note on the ability to fertilize following insemination (with females of *Nasonia vitripennis*, Hym.: Chalcidoidea) 230-235

Number 3

- J. C. DEN HARTOG. Notes on the little known sea anemone *Caraphellia brodrickii* and on the closely allied *Hormathia coronata* and *Paraphellia expansa* (Actiniaria, Hormathiidae) 237-244
- H. H. BOER, C. GROOT, M. DE JONG-BRINK & C. J. CORNELISSE. Polyploidy in the freshwater snail *Lymnaea stagnalis* (Gastropoda, Pulmonata). A cytophotome-

tric analysis of the DNA in neurons and some other cell types	245-252
S. S. DE SILVA, K. KORTMULDER & M. J. S. WYEHARATNE. A comparative study of the food and feeding habits of <i>Puntius bimaculatus</i> and <i>P. titteya</i> (Pisces, Cyprinidae)	253-263
S. JALEES & H. MURAD. Morphology of the three anterior pairs of spiracles of <i>Laccotrephes maculatus</i> Fabr. (Aquatic Heteroptera)	264-270
A. S. H. BREURE & A. A. C. ESKENS. Observations on the formation of spermatophores in a bulimulid land snail, <i>Drymaeus canaliculatis</i> (Pfeiffer, 1845) (Molusca, Gastropoda, Pulmonata)	271-276
H. E. J. WIJNANDS. Distribution and habitat of <i>Rana esculenta</i> complex in The Netherlands	277-286
L. M. SCHOONHOVEN, N. M. TRAMPER & W. VAN DRONGELEN. Functional diversity in gustatory receptors in some closely related Yponomeuta species (Lep.). . .	287-291
H. VAN DER STARRE. On the mechanism of proboscis extension in the blowfly <i>Calliphora vicina</i>	292-298
A. S. H. BREURE. Some land molluscs from the Sierra Nevada de Santa Marta, Columbia	299-304
J. AHMAD. Two new species of digenetic Trematodes of fishes from the bay of Bengal	305-309
H. BERKHOUDT. Taste buds in the bill of the mallard (<i>Anas platyrhynchos</i> L.) their morphology, distribution and functional significance.	310-332

Number 4

C. D. N. BAREL, M. J. P. VAN OIJEN, F. WITTE & E. L. M. WITTE-MAAS. An introduction to the taxonomy and Haplochromine Cichlidae from Lake Victoria. A manual to Greenwood's revision papers	333-389
Nederlandse Dierkundige Vereniging (Netherlands Zoological Society) proceedings 1976	390-399